

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/537,852 A  
Source: IFW0  
Date Processed by STIC: 08/11/2006

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 08/11/2006

PATENT APPLICATION: US/10/537,852A

TIME: 09:20:20

Input Set : A:\P29716PC.ST25.txt

Output Set: N:\CRF4\08112006\J537852A.raw

3 <110> APPLICANT: Boneham et al.  
 5 <120> TITLE OF INVENTION: Peptide presentations for human immunodeficiency virus  
 vaccines

7 <130> FILE REFERENCE: 87792.065605  
 9 <140> CURRENT APPLICATION NUMBER: US 10/537,852A  
 11 <141> CURRENT FILING DATE: 2005-06-08  
 13 <150> PRIOR APPLICATION NUMBER: GB 0228939.5  
 15 <151> PRIOR FILING DATE: 2002-12-12  
 17 <160> NUMBER OF SEQ ID NOS: 126  
 19 <170> SOFTWARE: PatentIn version 3.1  
 21 <210> SEQ ID NO: 1  
 22 <211> LENGTH: 6  
 23 <212> TYPE: PRT  
 24 <213> ORGANISM: Human immunodeficiency virus  
 26 <400> SEQUENCE: 1  
 28 Glu Leu Asp Lys Trp Ala  
 29 1 5  
 32 <210> SEQ ID NO: 2  
 33 <211> LENGTH: 4  
 34 <212> TYPE: PRT  
 35 <213> ORGANISM: Human immunodeficiency virus  
 37 <400> SEQUENCE: 2  
 39 Leu Asp Lys Trp  
 40 1  
 43 <210> SEQ ID NO: 3  
 44 <211> LENGTH: 6  
 45 <212> TYPE: PRT  
 46 <213> ORGANISM: Artificial  
 48 <220> FEATURE:  
 49 <223> OTHER INFORMATION: epitope recognised by antibodies  
 51 <400> SEQUENCE: 3  
 53 Ala Leu Asp Lys Trp Ala  
 54 1 5  
 57 <210> SEQ ID NO: 4  
 58 <211> LENGTH: 6  
 59 <212> TYPE: PRT  
 60 <213> ORGANISM: Artificial  
 62 <220> FEATURE:  
 63 <223> OTHER INFORMATION: epitope recognised by antibodies  
 65 <400> SEQUENCE: 4  
 67 Glu Leu Asn Lys Trp Ala  
 68 1 5  
 71 <210> SEQ ID NO: 5  
 72 <211> LENGTH: 6

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73 <212> TYPE: PRT  
74 <213> ORGANISM: Artificial  
76 <220> FEATURE:  
77 <223> OTHER INFORMATION: epitope recognised by antibodies  
79 <400> SEQUENCE: 5  
81 Glu Leu Asp Lys Trp Ala  
82 1 5  
85 <210> SEQ ID NO: 6  
86 <211> LENGTH: 6  
87 <212> TYPE: PRT  
88 <213> ORGANISM: Artificial  
90 <220> FEATURE:  
91 <223> OTHER INFORMATION: epitope recognised by antibodies  
93 <400> SEQUENCE: 6  
95 Ala Leu Asp Thr Trp Ala  
96 1 5  
99 <210> SEQ ID NO: 7  
100 <211> LENGTH: 6  
101 <212> TYPE: PRT  
102 <213> ORGANISM: Artificial  
104 <220> FEATURE:  
105 <223> OTHER INFORMATION: epitope recognised by antibodies  
107 <400> SEQUENCE: 7  
109 Gln Leu Asp Lys Trp Ala  
110 1 5  
113 <210> SEQ ID NO: 8  
114 <211> LENGTH: 6  
115 <212> TYPE: PRT  
116 <213> ORGANISM: Artificial  
118 <220> FEATURE:  
119 <223> OTHER INFORMATION: epitope recognised by antibodies  
121 <400> SEQUENCE: 8  
123 Glu Leu Asp Thr Trp Ala  
124 1 5  
127 <210> SEQ ID NO: 9  
128 <211> LENGTH: 6  
129 <212> TYPE: PRT  
130 <213> ORGANISM: Artificial  
132 <220> FEATURE:  
133 <223> OTHER INFORMATION: epitope recognised by antibodies  
135 <400> SEQUENCE: 9  
137 Gly Leu Asp Lys Trp Ala  
138 1 5  
141 <210> SEQ ID NO: 10  
142 <211> LENGTH: 6  
143 <212> TYPE: PRT  
144 <213> ORGANISM: Artificial  
146 <220> FEATURE:  
147 <223> OTHER INFORMATION: epitope recognised by antibodies

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152 1 5  
155 <210> SEQ ID NO: 11  
156 <211> LENGTH: 6  
157 <212> TYPE: PRT  
158 <213> ORGANISM: Artificial  
160 <220> FEATURE:  
161 <223> OTHER INFORMATION: epitope recognised by antibodies  
163 <400> SEQUENCE: 11  
165 Glu Leu Asp Arg Trp Ala  
166 1 5  
169 <210> SEQ ID NO: 12  
170 <211> LENGTH: 6  
171 <212> TYPE: PRT  
172 <213> ORGANISM: Artificial  
174 <220> FEATURE:  
175 <223> OTHER INFORMATION: epitope recognised by antibodies  
177 <400> SEQUENCE: 12  
179 Asn Trp Phe Asp Ile Thr  
180 1 5  
183 <210> SEQ ID NO: 13  
184 <211> LENGTH: 6  
185 <212> TYPE: PRT  
186 <213> ORGANISM: Artificial  
188 <220> FEATURE:  
189 <223> OTHER INFORMATION: epitope recognised by antibodies  
191 <400> SEQUENCE: 13  
193 Thr Trp Phe Asp Ile Ser  
194 1 5  
197 <210> SEQ ID NO: 14  
198 <211> LENGTH: 6  
199 <212> TYPE: PRT  
200 <213> ORGANISM: Artificial  
202 <220> FEATURE:  
203 <223> OTHER INFORMATION: epitope recognised by antibodies  
205 <400> SEQUENCE: 14  
207 Asn Trp Phe Asp Ile Ser  
208 1 5  
211 <210> SEQ ID NO: 15  
212 <211> LENGTH: 6  
213 <212> TYPE: PRT  
214 <213> ORGANISM: Artificial  
216 <220> FEATURE:  
217 <223> OTHER INFORMATION: epitope recognised by antibodies  
219 <400> SEQUENCE: 15  
221 Ser Trp Phe Asp Ile Ser  
222 1 5  
225 <210> SEQ ID NO: 16

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226 <211> LENGTH: 6  
227 <212> TYPE: PRT  
228 <213> ORGANISM: Artificial  
230 <220> FEATURE:  
231 <223> OTHER INFORMATION: epitope recognised by antibodies  
233 <400> SEQUENCE: 16  
235 Asn Trp Phe Asp Ile Ser  
236 1 5  
239 <210> SEQ ID NO: 17  
240 <211> LENGTH: 6  
241 <212> TYPE: PRT  
242 <213> ORGANISM: Artificial  
244 <220> FEATURE:  
245 <223> OTHER INFORMATION: epitope recognised by antibodies  
247 <400> SEQUENCE: 17  
249 Asn Trp Phe Glu Ile Thr  
250 1 5  
253 <210> SEQ ID NO: 18  
254 <211> LENGTH: 6  
255 <212> TYPE: PRT  
256 <213> ORGANISM: Artificial  
258 <220> FEATURE:  
259 <223> OTHER INFORMATION: epitope recognised by antibodies  
261 <400> SEQUENCE: 18  
263 Thr Trp Phe Ser Ile Ser  
264 1 5  
267 <210> SEQ ID NO: 19  
268 <211> LENGTH: 6  
269 <212> TYPE: PRT  
270 <213> ORGANISM: Artificial  
272 <220> FEATURE:  
273 <223> OTHER INFORMATION: epitope recognised by antibodies  
275 <400> SEQUENCE: 19  
277 Asn Trp Phe Asn Ile Ser  
278 1 5  
281 <210> SEQ ID NO: 20  
282 <211> LENGTH: 6  
283 <212> TYPE: PRT  
284 <213> ORGANISM: Artificial  
286 <220> FEATURE:  
287 <223> OTHER INFORMATION: epitope recognised by antibodies  
289 <400> SEQUENCE: 20  
291 Asn Trp Phe Gly Ile Ser  
292 1 5  
295 <210> SEQ ID NO: 21  
296 <211> LENGTH: 6  
297 <212> TYPE: PRT  
298 <213> ORGANISM: Artificial  
300 <220> FEATURE:

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Input Set : A:\P29716PC.ST25.txt

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301 <223> OTHER INFORMATION: epitope recognised by antibodies  
303 <400> SEQUENCE: 21  
305 Asn Trp Phe Ser Ile Thr  
306 1 5  
309 <210> SEQ ID NO: 22  
310 <211> LENGTH: 6  
311 <212> TYPE: PRT  
312 <213> ORGANISM: Artificial  
314 <220> FEATURE:  
315 <223> OTHER INFORMATION: epitope recognised by antibodies  
317 <400> SEQUENCE: 22  
319 Ser Trp Phe Asn Ile Ser  
320 1 5  
323 <210> SEQ ID NO: 23  
324 <211> LENGTH: 6  
325 <212> TYPE: PRT  
326 <213> ORGANISM: Artificial  
328 <220> FEATURE:  
329 <223> OTHER INFORMATION: epitope recognised by antibodies  
331 <400> SEQUENCE: 23  
333 Asn Trp Phe Thr Ile Ser  
334 1 5  
337 <210> SEQ ID NO: 24  
338 <211> LENGTH: 6  
339 <212> TYPE: PRT  
340 <213> ORGANISM: Artificial  
342 <220> FEATURE:  
343 <223> OTHER INFORMATION: epitope recognised by antibodies  
345 <400> SEQUENCE: 24  
347 Ser Trp Tyr Asp Ile Ser  
348 1 5  
351 <210> SEQ ID NO: 25  
352 <211> LENGTH: 6  
353 <212> TYPE: PRT  
354 <213> ORGANISM: Artificial  
356 <220> FEATURE:  
357 <223> OTHER INFORMATION: epitope recognised by antibodies  
359 <400> SEQUENCE: 25  
361 Asn Trp Phe Asn Ile Thr  
362 1 5  
365 <210> SEQ ID NO: 26  
366 <211> LENGTH: 6  
367 <212> TYPE: PRT  
368 <213> ORGANISM: Artificial  
370 <220> FEATURE:  
371 <223> OTHER INFORMATION: epitope recognised by antibodies  
373 <400> SEQUENCE: 26  
375 Ser Trp Phe Ser Ile Thr  
376 1 5

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 08/11/2006  
PATENT APPLICATION:    US/10/537,852A      TIME: 09:20:21

Input Set : A:\P29716PC.ST25.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:51; Xaa Pos. 1,3,4,5,6

Seq#:52; Xaa Pos. 3

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29

Seq#:30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53

Seq#:55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78

Seq#:79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101

Seq#:102,103,104,105,106,107,108,109,110,111,114,115,116,117,118,119,120,121

Seq#:122,123,124,125,126

**VERIFICATION SUMMARY**

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Input Set : A:\P29716PC.ST25.txt

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L:755 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0

L:775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:0